MODEL RL1600
AUTOMATED TELLER MACHINE

USER MANUAL

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SECTION 1
INTRODUCTION

WHAT'S IN THIS MANUAL

The User manual describes the operating features of the Model RL1600 series ATM and shows how to perform the procedures that would typically be performed by the owner or operator personnel.

The manual is divided into the following sections:

SECTION 1, INTRODUCTION. Summarizes the basic features of the Model RL1600 series ATM.

SECTION 2, BASIC OPERATION. Describes the basic operation of the terminal:

- Control Panel Layout.
- Keypads (Function, Main, On-Screen)
- Menu-Based Operation
- Customer Transaction Process
- Voice-Enabled Transactions

SECTION 3, CASSETTE CLOSE / CASH REPLENISHMENT. Describes the menu functions for cassette close procedures. Cash replenishment steps for each dispenser and standards are covered as well.

SECTION 4, GENERAL MAINTENANCE. Describes normal preventative and corrective maintenance procedures appropriate for user personnel.

- Replenishing Receipt Paper
- Cleaning the Enclosure/Card Reader

APPENDIX A - SOFTWARE LICENSE AGREEMENT / COMPLIANCE STATEMENTS

APPENDIX B - WARRANTY STATEMENT

APPENDIX C - ELECTRONIC COMBINATION LOCKS

APPENDIX D - MECHANICAL COMBINATION LOCKS

SUPPLEMENT A -T7 T5 BATTERY REPLACEMENT PROCEDURES

IMPORTANT: Follow the instructions provided in SUPPLEMENT A of this manual for replacing the battery for the T7 & T5 PCI-EPP. Failure to follow the explicit instructions will permanently damage the keypad!

SUPPLEMENT B - T7 T5 KEY MANAGEMENT FUNCTIONS.

FEATURE HIGHLIGHTS

Important features of the RL1600 series ATM are highlighted in the following list:

- ☐ Highly reliable, state-of-the-art operating system PC platform design. The RL1600 uses Microsoft® Windows® CE.5.0 operating system with Triton's X2 technology. Supports Windows file formats for adding custom logos and advertisements. In addition, it features Triton's completely custom design X2 motherboard with integrated modem.
- ☐ Modular architecture eases troubleshooting and servicing.
- ☐ Front-access unit accommodates single cassette (MiniMech,)
  - Only one cabinet design, shallow, accommodates the dispenser mechanism offered.
  - Cabinet available in UL 291 Business Hours only. **Cash must be removed after hours.**
- ☐ 5.7" (145mm) color LCD display.
- ☐ T7 & T5 PCI-compliant EPP to comply with international encryption standards and Triple DES compliant.

FEATURE HIGHLIGHTS

- ☐ Easy to install (small footprint design makes placement easier) and configure terminal parameters by software.
- ☐ Supports communication types TCP/IP (standard), dial-up (56K baud Triton USB modem - integrated on motherboard): VSAT (satellite), Radio Pad, and wireless optional.
  (Note: For wireless option, please contact your account representative for more information).
- ☐ Multi-function, dip-style card reader supports magnetic stripe cards or "smart" cards that conform to the EMV standard. (215 Standard DIP [US] or IS65 EMV DIP [Canada ONLY])
- ☐ Graphics-capable 60 mm gravity-fed thermal printer designed for quiet operation. Prints receipts, coupons, and management reports.
- ☐ Mechanical (standard) or electronic combination lock (optional, field installed).
- ☐ Supports remote setup, configuration, and monitoring via Triton Connect™ ATM monitoring software.
- ☐ Dispenses U.S. and international currency types.
- ☐ High-capacity electronic journal stores transaction details for later printout and analysis.
- ☐ Satisfies Americans with Disabilities Act (ADA) specifications for height and access; audio transactions for the visually impaired. Complies with UK accessibility guidelines (DDA) and California access compliance, Title 24.
- ☐ LED-backlit signage standard (Mid topper attachment).
- ☐ Bayou Bronze control panel and fascia color.

STANDARD FEATURES

- ☐ **MANAGEMENT FUNCTIONS.** Enable extensive control and customization of the ATM's operating parameters. See **"X-SCALE/X2 CONFIGURATION MANUAL"** on web site.
- ☐ **PASSWORD PROTECTION**. Access to Management Functions and Key Management areas are protected with passwords.
- ☐ **MAC ENCRYPTION SUPPORT**. Message Authentication Code (MAC) data encryption protocol. Provides increased protection for message traffic to and from the ATM. *Triple DES compliant*.
- ☐ **PCI-COMPLIANT ENCRYPTING PIN PAD (EPP) ENTRY DEVICE SUPPORT**. Secure EPP device encrypts the customer PIN during a transaction. *Triple DES and PCI compliant.*
- ☐ **MULTI-LANGUAGE SUPPORT**. Enables the customer to select a preferred language (such as French or Spanish) for customer screens and receipts.

- **TRANSACTION AND ACCOUNT TYPE CONFIGURATION**. Enables selection of transactions (transfers or balance inquiries) or accounts (savings or credit card) that will be presented to the customer. Does not affect availability of checking account withdrawal.
- **CASSETTE AND DAY CLOSE REPORTS**. Provide summary information about the number and type of transactions being performed by the ATM.
- **ELECTRONIC JOURNAL**. Stores the details of each transaction in solid-state memory. Journal data can be retrieved, printed, saved to an external storage device, or transferred to a remote Triton Connect™ computer.
- **AD SCREENS**. An Ad screen is a promotional or advertising graphic that is displayed on the LCD screen during idle periods. Ad screens are downloaded to the terminal by either using an external storage device (jumpdrive) or a remote Triton Connect™ computer. Text-only (non-graphic) ad screens can also be displayed.
- **RECEIPT PRINTER GRAPHICS**. This feature allows informational or promotional graphics to be printed on customer receipts. Graphics can be loaded from an external storage device or Triton Connect™.
- **MESSAGES**. Informational and promotional messages that are displayed to the customer on-screen or printed on receipts.
- **COUPONS**. Coupons can be printed by the receipt printer. Prizes may be awarded to customers based on random and/or withdrawal amount-based transactions. Coupon text can be entered locally or downloaded along with coupon graphics using Triton Connect™ software.
- **STATUS MONITORING.** The ATM can periodically transfer status information to the host processor. In addition, Triton Connect™ remote monitoring software can be used to view the journal, monitor operation and alarm conditions, update operating parameters, and reset the terminal.
- **UL 291 BUSINESS HOURS SERVICE**. Business hours cabinet means currency should be removed from the dispenser and stored in a safe location when the business is closed to the public.
- **FRONT-ACCESS CABINET**. Allows access to the dispensing mechanism and currency cassette from the control-panel side of the unit.

Weight of the RL1600 (Approximate)	
Business Hours	Configuration
140 lbs 63 Kilos	Shallow cab MiniMech mid topper

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Section 2
Basic Operation

INTRODUCTION

This section describes the basic operation of the terminal. The following topics are covered:

1. **CONTROL PANEL LAYOUT.** Describes the layout of the terminal's control panel.
2. **KEYPAD OPERATION.** Describes the use of the alphanumeric keypads.
3. **MENU-BASED OPERATION.** Gives a general overview of the terminal display interface.
4. **CUSTOMER TRANSACTIONS.** Summarizes the actions involved in typical customer transactions. In addition, the voice-enabled transactions feature is described.

CONTROL PANEL LAYOUT

The user interface of the terminal consists of the LCD screen, receipt chute, card reader, speaker, headphone jack (visually impaired), and 24 keys on three keypads. The Function keys are arranged in two four-key groups, one group on either side of the LCD display. The main keypad consists of 10 alphanumeric keys, two arrow keys and four large control keys, all located in a 16-key group beneath the LCD screen.

The main keypad and control keys have an integral raised Braille symbol to conform to the requirements of the Americans with Disabilities Act (Figure 2-1).

Figure 2-1. Control panel layout.

FUNCTION KEYS

The eight (8) keys, arranged in two four-key groups, are called screen function keys. A screen function key is only active when a corresponding function or menu option is present next to that key. The Function keys are designated F1 through F8, as shown in Figure 2-2.

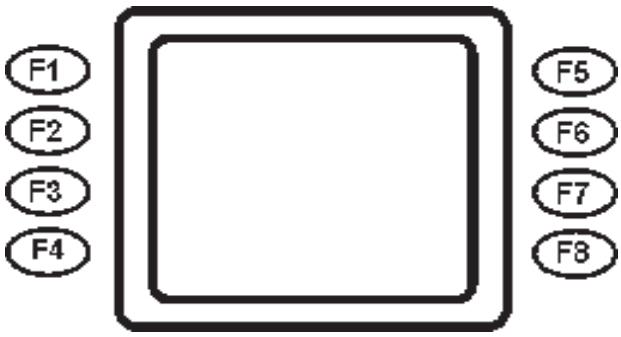


Figure 2-2. Function key layout.

MAIN KEYPAD

The entry of numeric characters via the main keypad is straightforward: simply press the desired key. However, in certain Management Function screens it may be necessary to enter alphabetic characters, a procedure that's available with the On-Screen keypad, explained on next page.

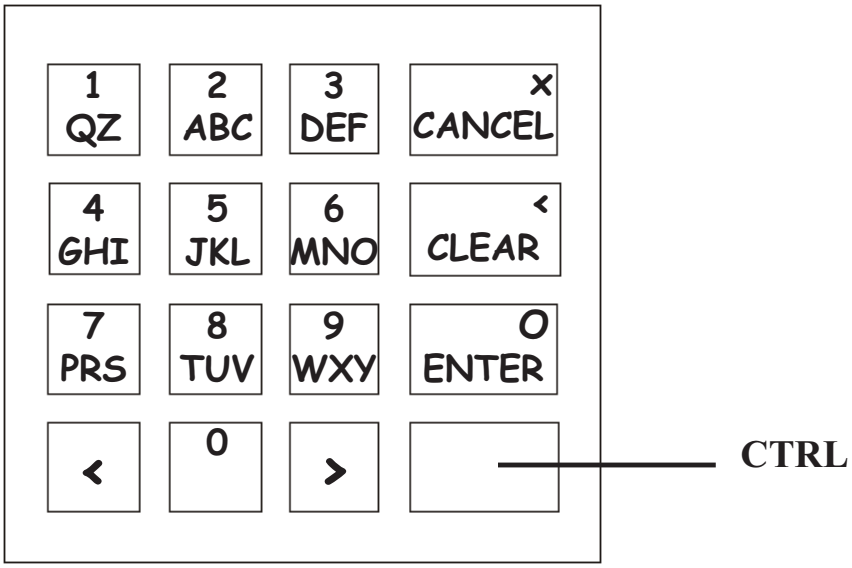


Figure 2-3. Alphanumeric keypad.

ON-SCREEN KEYPAD OPERATION

To enter text characters into the dialog boxes that are displayed by the Management Functions, press the **F8** key to display the screen keyboard. Use the keys described below to navigate and enter required data. (see Figure 2-4)

- The Arrow keys (< and >), the **<8>** key - **(UP)**, and the **<0>** key - **(DOWN)** navigate the keyboard.
- Press the **<ENTER>** key to select the highlighted key entry.
- Press the **<CTRL>** key to switch between upper and lower case characters.
- Press the **<CANCEL>** key to Exit the keyboard.
- Press the **<CLEAR>** key for the Backspace operation.
- Press the **<1>** key to reposition the keyboard to another location on the display.
- Press the **<2>** key to positon the cursor on a new line.

Use arrow keys to navigate (8 = Up, 0 = Down)
ENTER = Select, CANCEL = Exit, CLEAR = Backspace
1 = Reposition, 2 = New Line
1 2 3 4 5 6 7 8 9 0 - =
q w e r t y u i o p [ ]
a s d f g h j k l ; ' \
z x c v b n m , . /

Figure 2-4. On-screen keyboard.

MENU-BASED OPERATION

The terminal operates as a menu driven system. Messages and menu options presented on the LCD display screen guide the user's actions. The desired menu option is selected by pressing one of the keys located to the left and right of the display. For the purpose of security many screens timeout after a preset time interval, usually 30 seconds. The timeout length may vary depending on the function being performed.

When a screen timeout occurs, a screen is presented which asks the user if more time is needed. If the user chooses NO, the Customer Welcome screen will be presented. If YES is chosen, the user is returned to the function that was active prior to the timeout. If the user does not make a selection within an additional 30-second countdown period the terminal will automatically go to the Customer Welcome screen.

Ensure all procedures in the Installation Guide have been accomplished. The unit should be off, with the power cord and comminucations cable connected. Power on the unit by placing the power switch on the power supply to the on position. Shortly after the unit is turned on, the top menu will be displayed. An example top menu is shown in Figure 2-5. From the top menu, you can either:

1. Activate the terminal to perform customer transactions by pressing the key next to **CUSTOMER TRANSACTIONS.**

2. Enter the terminal system management area by pressing the key next to **MANAGEMENT FUNCTIONS**.
Note: You will have to enter an appropriate password to view the Management Functions menu.

If you do not select a menu choice within 30 seconds the terminal will automatically default to the Customer Welcome screen (a benefit of this feature is that in the event of a power interruption the terminal will automatically begin accepting customer transactions shortly after power is restored).

Figure 2-5. Top menu screen.

CUSTOMER TRANSACTIONS

A customer begins a transaction by selecting from the Customer screen options. They insert their ATM card into the card reader of the terminal. The card must be inserted so that the magnetic stripe can be scanned by the card reader's sensor. If the customer inserts the card incorrectly, a warning message will be displayed, accompanied by several beeps to get their attention.

If there is a problem reading a card, make sure the customer is inserting the card correctly. Most problems are the result of inserting the card incorrectly.

Once the card has been read in successfully, a surcharge message, if applicable, may be displayed (the surcharge message may be displayed at the end of the customer's transaction selection). The customer must then enter their secret Personal Identification Number (PIN) code. Once the PIN has been entered, the transaction type and account are selected, and the desired amount of the transaction, if needed. The transaction will be processed, typically in a matter of seconds.

Figure 2-6 shows how ATM transactions are handled. If the transaction was processed successfully, the customer is prompted to retrieve the requested cash (for withdrawal transactions) and/or the applicable transaction receipt, as needed. If the transaction was declined, a short receipt indicating the problem is printed.

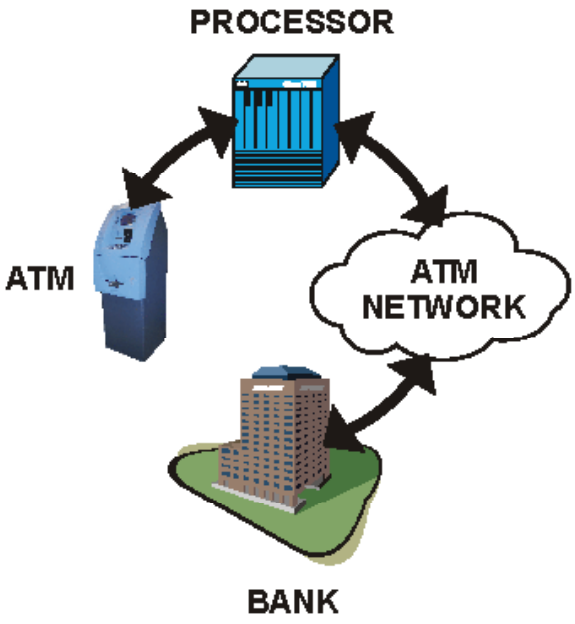


Figure 2-6. ATM transaction processing.

The ATM sends the customer transaction request to a processor. A processor is a financial intermediary, such as an Independent Sales Organization (ISO), bank, or other financial institution that provides transaction-processing services for ATMs. The ATM must be set up with a particular processor before customer transactions can take place.

The processor routes the transaction to the appropriate ATM network. An ATM network is a regionally or nationally organized clearing house for financial transactions, that deals directly with the appropriate financial institution, such as the customer's bank or credit card company, in order to complete the transaction. The processor will select the appropriate ATM network to use based on factors such as the type of ATM or credit card used, location of the customer's bank, or other considerations. The transaction may be transferred between several networks before ultimately reaching the customer's bank or credit card company.

The ATM network routes the transaction to the appropriate bank or other institution, confirms successful completion of the transaction, and sends a confirmation message back to the processor. If the request was for a cash withdrawal, an Electronic Funds Transfer (EFT) takes place to debit the funds (including any surcharge fee, if applicable) from the customer's bank account and credit the funds to the processor's bank account.

The processor forwards a confirmation message to the ATM (and an authorization to dispense currency, in the case of a cash withdrawal). The ATM dispenses the requested currency, if necessary, and provides the customer with a printed receipt as a record of the transaction.

The processor credits the merchant's account for the amount of any cash withdrawals (plus surcharge fees, if collected), typically by the end of the next business day).

VOICE-ENABLED TRANSACTION

The terminal provides voice feedback via an integrated output jack, enabling sight-impaired users to plug in a set of headphones and receive spoken instructions to assist them in using the ATM (Figure 2-7).

A raised symbol helps a user locate the headphone jack. The ATM will automatically detect when a headphone has been plugged into the jack, and will immediately switch into voice mode. Initially, a brief spoken tutorial will orientate the customer to the ATM control panel interface. Once the customer begins a transaction, spoken prompts will provide feedback and guide the customer through the successful accomplishment of the transaction.

Figure 2-7. Headphone jack location. (Typical)

Section 3

Cassette Close
Cash Replenishment

INTRODUCTION

The purpose of this section of the manual is to describe the procedures for cassette closing and replenishment. Information concerning note handling and quality issues are explained where appropriate.

DISPENSING MECHANISMS

*** PLEASE READ ***

The Model RL1600 production units are equipped with the MiniMech dispenser.

Also, there will only be one style of cabinet offered which can accommodate the dispenser mentioned above.

Currency capacity depends upon the dispenser mechanism installed in the ATM, but is also affected by note quality and thickness. Typical capacities are provided in the following table: **DO NOT** be tempted to over fill the cassette.

RL1600 DISPENSING MECHANISM

DISPENSER	CASSETTE	RECOMMENDED MAXIMUM CAPACITY	REJECTED NOTE CAPACITY
Minimech	**Single**	**750 Notes**	**Less than 100**

The dispensing mechanism delivers the appropriate number of notes from the note cassette to fulfill the customer's withdrawal request. The purpose of the reject area or cassette is to accept and hold notes that have been transferred from the note cassette but not dispensed. Some situations that could cause the mechanism to reject notes are:

(1) Multiple notes stuck together (2) Note width too short or long.

Other conditions that could cause a reject are described in the next section, Note Condition.

****CAUTION****
DO NOT RECYCLE REJECTED NOTES INTO A CASSETTE!
Doing so could cause more rejects and/or currency jams.

NOTE CONDITION

The number of rejects can be directly influenced by the technique used to load the cassettes and the quality of the currency. Notes loaded into the mechanism cassettes must be in "fit" condition if a high level of performance (low reject and failure rate) is expected from the unit. "Fit" notes are defined as those that do not possess any of the defects listed here:

USED NOTE DEFECTS

- Adhesive or "sticky" substances on the surface of the paper.
- Tears extending more than 1/2" from the edge of the currency.
- Tears, holes, or missing sections in the body of the currency.
- Tape on the surface of the currency used for repairing, patching or any other purpose.
- Staples, pins, or any other foreign body attached to the notes.
- Corner folds of a size greater than 1/2" on either axis.
- Two or more notes joined by any means.
- Excessively crumpled or crinkled.

PREPARING NOTES

Use the following procedures to prepare notes before inserting them into a note cassette.

PREPARING USED NOTES

- Remove the band around each bundle of notes.
- Remove foreign objects (e.g. pins, paper clips, crumbs, etc.).
- Remove torn or very worn notes.
- Straighten any folded notes.

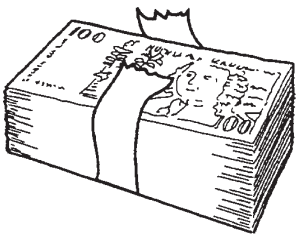


Figure 3-1. Removing band.

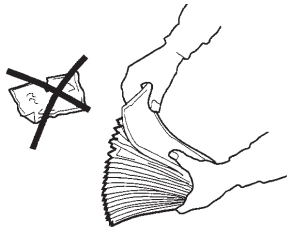


Figure 3-2. Removing torn/worn notes.

NEW OR UNCIRCULATED NOTES

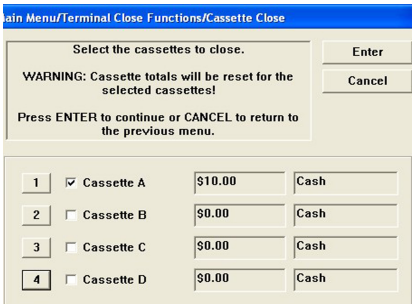
Remove the band around each bundle of notes. Separate the notes from each other by:

- **Striking** the bundle hard against the edge of a table or similar object.
- **Flipping** through each bundle of notes in both directions at each end.
- Using a **note counter**.

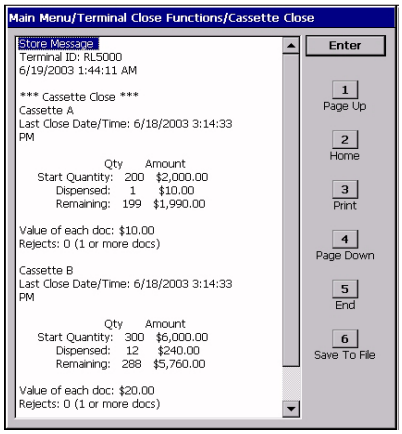
CASSETTE CLOSE PROCEDURES

Follow Access instructions to enter **MANAGEMENT FUNCTIONS**. Select **TERMINAL CLOSE FUNCTIONS**. Select **CASSETTE CLOSE**.

❶ Select cassette(s) to Close. A check mark (√) identifies which cassette(s) are selected. Press **<Enter>**.

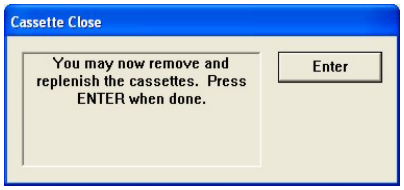

ain Menu/Terminal Close Functions/Cassette Close
Select the cassettes to close.
WARNING: Cassette totals will be reset for the selected cassettes!
Press ENTER to continue or CANCEL to return to the previous menu.
Enter
Cancel
1 Cassette A $10.00 Cash
2 Cassette B $0.00 Cash
3 Cassette C $0.00 Cash
4 Cassette D $0.00 Cash

❷ A Close report is displayed to be printed or saved. This operation will reset the number of bills in the cassette(s) to ZERO (0). Press **<Enter>**.

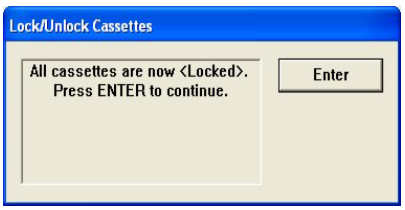


❸ Remove and Replenish the selected cassette(s).

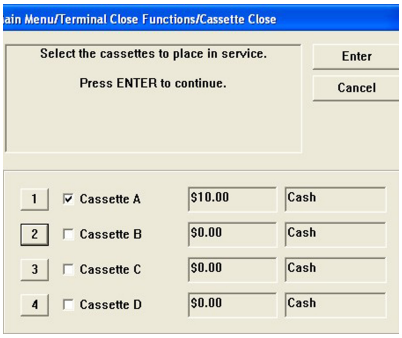
Procedures for cassette replenishment are on the following pages.



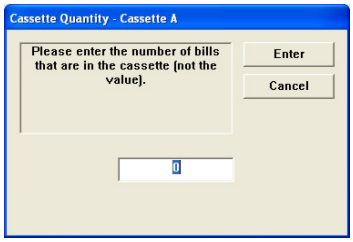
❹ After cassette(s) have been reinserted in the dispenser, press **<Enter>**.



❺ Place selected cassette(s) **IN SERVICE**. Press **<Enter>**.


ain Menu/Terminal Close Functions/Cassette Close
Select the cassettes to place in service.
Press ENTER to continue.
Enter
Cancel
1 Cassette A $10.00 Cash
2 Cassette B $0.00 Cash
3 Cassette C $0.00 Cash
4 Cassette D $0.00 Cash

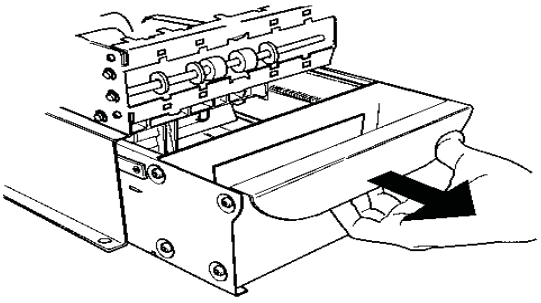
❻ Enter Cassette Quantity (number of notes, NOT value) for the selected cassette(s). Press **<Enter>** to accept entry. Repeat for each selected cassette.



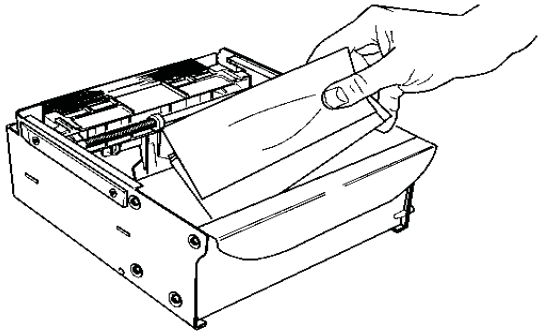
❼ A Trial Cassette Close report automatically is displayed to be printed or saved. Print and retain a copy for starting point reference. Press **<Enter>** to return to Close functions.

Replenish Cassette
Mech 10 (MiniMech)

1. Unlock and open the security cabinet door.
2. To remove the note tray, grasp the tray handle and slide the tray out of the mechanism. Place note tray on a flat level surface.
3. Remove any rejected notes. The reject compartment is located nearest the handle side of the tray.



Removing note tray from the dispensing mechanism.

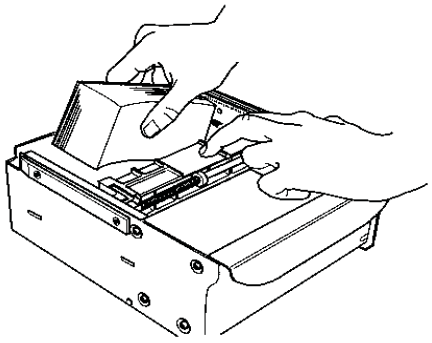


Removing rejected notes.

Note: *You may wish to record the number of notes removed from the reject compartment for use when balancing the note tray against the cassette/day close records.*

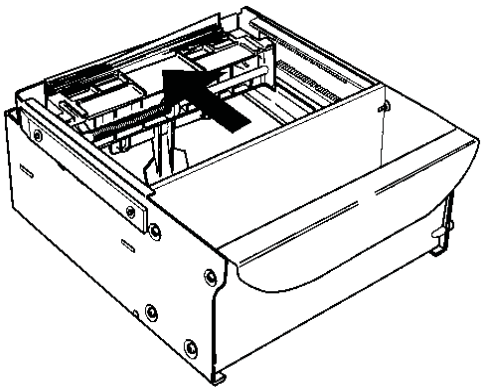
Loading the Note Tray

1. Move the pusher plate to the rear of the tray (toward the handle). Ensure the pusher plate is fully back. Maintain pressure on the pusher plate as needed while loading notes.
2. Count the number of bills that remain in the cassette, if any. Next, count the number of bills that are being added into the cassette.
3. Add the number of bills being placed into the cassette to the number that remained. The "Total" number of these bills will be entered in the "Enter Cassette Quantity" option.

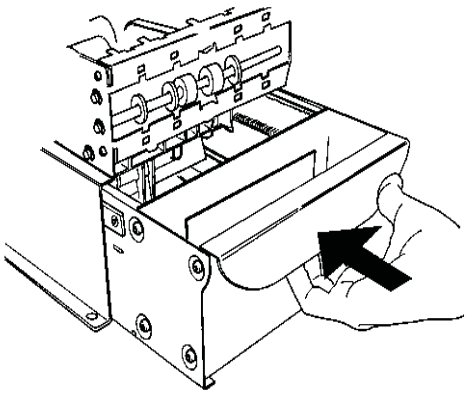


Load note tray with currency.

4. Place the currency into the cassette. Allow at least one inch of clearance between the packer plate when it is fully retracted and the currency. This will allow the packer plate to compress the currency.
5. Release the pusher plate against the notes.
6. Using the handle, slide the note tray into the dispensing mechanism. Make sure the note tray is fully inserted!



Release pusher plate



Slide note tray into dispenser mechanism.

7. Close and lock the security container.

Section 4
General Maintenance

INTRODUCTION

This section of the manual covers preventive and corrective maintenance procedures appropriate for user personnel. The following areas are covered:

1. **REPLENISHING RECEIPT PAPER**. Describes how to replace a spent receipt paper roll.
2. **CLEANING THE ENCLOSURE**. The proper way to clean the ATM housing.
3. **CARD READER CLEANING**. The recommended card reader cleaning technique.

Important

Only qualified service personnel are authorized to repair or service the terminal. Should a malfunction occur, DO NOT attempt to service the unit yourself! Contact your Triton certified service provider!

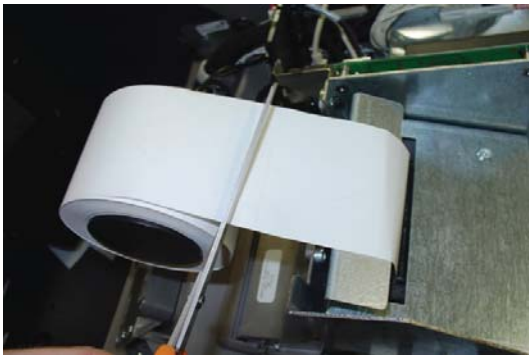
REPLENISHING THE RECEIPT PAPER

NOTE: This operation must be completed with the AC power applied to the ATM.

1. Open the control panel by unlocking the top enclosure and pulling the hinged door forward.
2. If paper remains on the roll, cut or tear the paper between the roll and the printer.

**** Caution ****

DO NOT pull receipt paper backwards through the printer! This may leave paper fragments that can cause paper jams.



Cut paper between the roll and printer feed path.

3. Use the receipt printer feed button to feed the paper through the paper path until all paper comes out the front of the printer.

4. Remove the paper and spool from the paper bracket.

Paper feed button location.

Remove paper roll from bracket.

5. Remove the tab securing the end of the new paper roll to itself. Use scissors to cut off all of the paper up to and including the glue tab.

   Remove the plastic spindle from the old paper roll and insert into the new roll of paper. Use a 4-inch roll of 60 mm wide thermal paper, printer applicable.

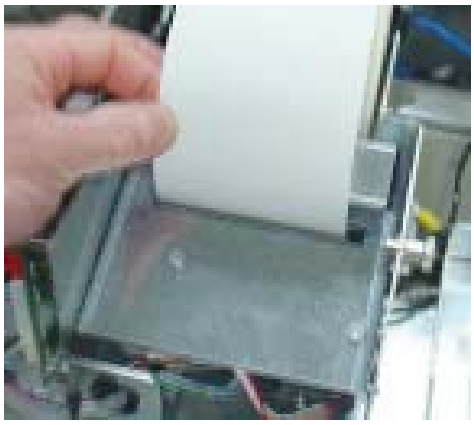
   Be sure the spindle is inserted so that the paper will feed from the ***TOP*** of the roll when it is installed on the paper bracket.

6. Place the new roll back on the paper bracket by sliding the small, slotted end of the spindle onto the slot in the bracket as shown. **Note that the paper feeds from the TOP of the roll!**

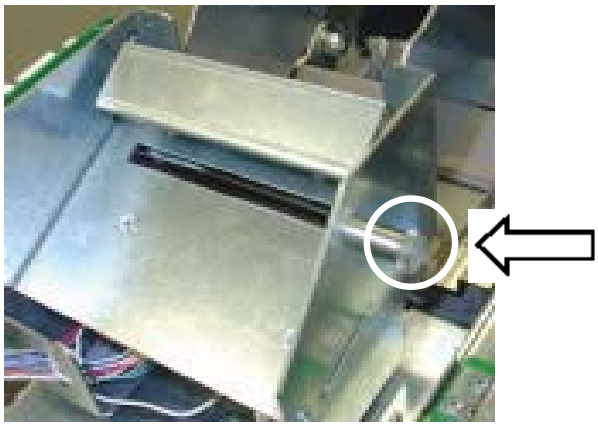
Place paper roll on bracket. Paper feeds from top of roll!

7. Feed the end of the paper into the printer take-up slot. The printer will activate and automatically feed the paper through the printer and slightly out the front of the control panel.

8. If the printer does not feed automatically, open the printer assembly by pulling the release pin on the side.



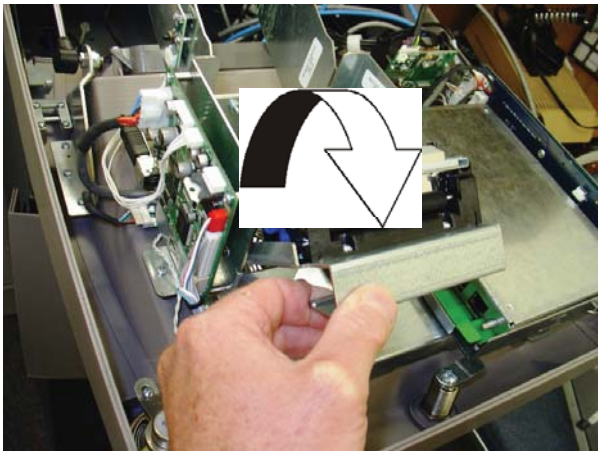
Feed paper into the printer take-up slot.



Release pin location.

9. Rotate the printer towards the front of the unit.

10. Check the blue lever to ensure it's in the correct position as shown. If it is not in the position shown, move the lever (moves in 3 positions) to the correct position. Close the printer assembly and perform step 7 again. Ensure the printer is secured by the release pin.



Rotate printer open.

Blue tension lever (correct position).

11. Close and lock the control panel. Go to **MANAGEMENT FUNCTIONS > DIAGNOSTICS** and perform a **RESET/TEST PRINTER.**

Cleaning the Enclosure

The ATM front panel is highly durable, resisting scratches and finger smudges. However, occasional cleaning of the front panel and the plastic enclosure may be desirable. A soft dry or slightly damp cloth may be used for cleaning. For best results, use a weak solution of a mild detergent and water.

**** Caution ****
Avoid using abrasive cleaners on any surface of the terminal. Do not spray liquid cleaner directly on the unit, inside or out.

Cleaning the Display

The Liquid Crystal Display (LCD) on the front of the ATM has a plastic protective window that should be cleaned only with a soft cloth, dampened with a weak solution of a mild detergent and water.

**** Caution ****
Do not use any abrasive cleaners on the window as it will scratch. Do not spray liquids onto the screen as they may run down inside the unit and cause damage.

Card Reader Cleaning

Special cleaning cards (P/N 06200-00055) are available for proper maintenance of the card reader. The reader should be cleaned at least once a month by inserting and removing a cleaning card, as shown below. It may be necessary to clean the card reader more often in locations that see heavy usage.

1. Remove the cleaning card from the sealed pouch.
2. Insert the cleaning card into the card reader and move in and out several times.
3. Remove the cleaning card and turn over to use other side.
4. Insert again several times.
5. Remove cleaning card and discard. They are designed to be used only once.

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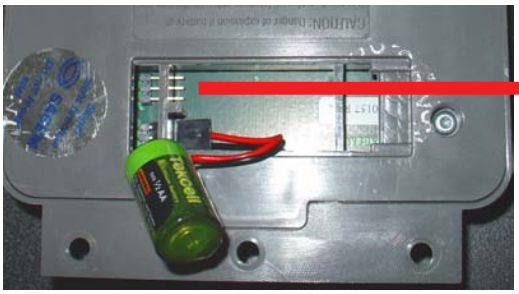
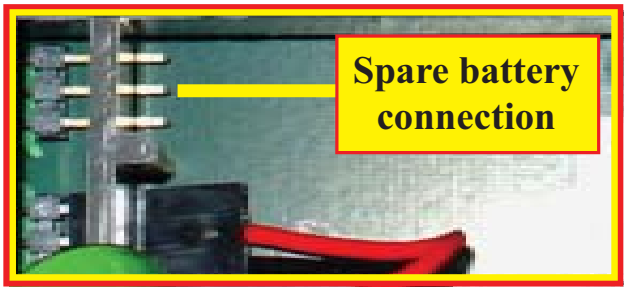
Supplement A
T5 and T7 PCI-EPP
Battery Replacement Procedures

T5 PCI-EPP Battery Replacement

**** CAUTION ****

<u>You must not remove battery from EPP without FIRST connecting a new battery!</u> This EPP will be permanently damaged if unpowered and battery is removed before connecting a new battery!





EXISTING BATTERY - DO NOT REMOVE BEFORE CONNECTING A SPARE BATTERY FIRST!

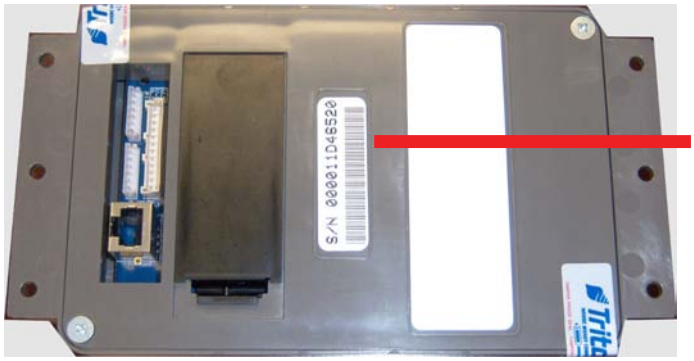
The spare battery for the T5 PCI-EPP may be purchased from Triton Systems:

P/N 01300-00025 (T5 PCI-EPP Lithium Backup Battery)

T7 PCI-EPP BATTERY REPLACEMENT

*** IMPORTANT***

You may remove the battery without risk of damage to the EPP. You have approximately 1-2 minutes to replace with a spare battery before losing the data stored (keys, passwords) in the keypad.



Battery Case

The spare battery for the T7 PCI-EPP may be purchased from Triton Systems:

P/N 01300-00023 (T7 PCI-EPP Lithium Battery)

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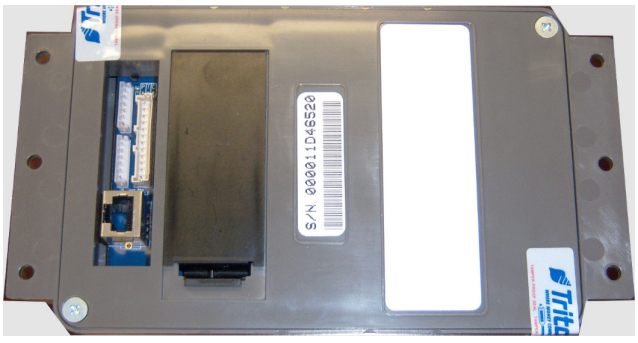
T5 PCI-EPP

Supplement B
Key Management Procedures

T7 PCI-EPP



PCI-EPP (T5) / Key Management Procedures

Differences with the T5 PCI-EPP keypad

❶

YOU MUST NOT REMOVE BATTERY FROM EPP without FIRST connecting a new battery! This T5 EPP will be permanently damaged if unpowered and battery is removed before connecting a new battery!

❷

- User passwords must be at least 8 characters, rather than 6.
- EPP will prompt with error if fewer characters entered and then take you back to password entry at point you left off.
- There is no way to clear the password. Hit <Cancel> and start over.

❸

- No <Clear> or <Backspace> on key entry.
- If error is made in key entry, hit <Cancel> and start key entry over from beginning of first key half.

❹

- You may only enter in new keys - No change key functionality.

❺

- You have 10 minutes to enter in both User passwords before timeout.
  - If timeout occurs, you must start key entry over from scratch.
  - *This will affect staging of units*!
  - Cannot enter one key half at warehouse and other half in field.

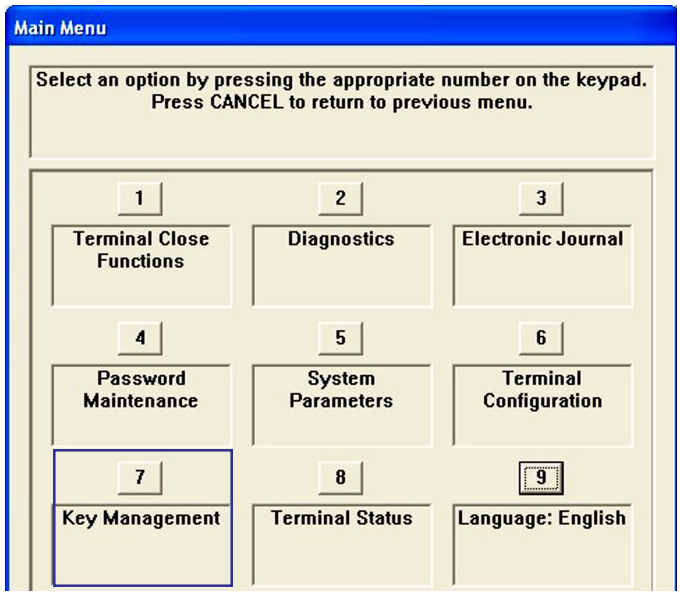
❻

- Password Entry – Clear will take you back to Key Management page.
  - Re-enter password.

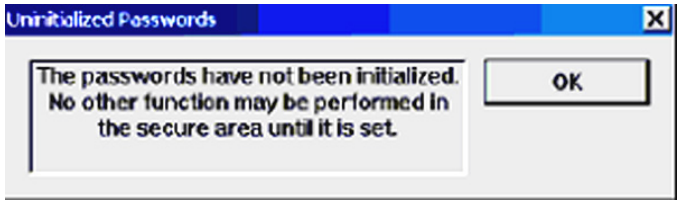
Triton WHERE MONEY COMES FROM.™

KEY MANAGEMENT PROCEDURES (W/T5 PCI-EPP INSTALLED)

① ENTER MANAGEMENT FUNCTIONS > MAIN MENU > KEY MANAGEMENT.



② THE "SET PASSWORD INITIALIZATION" PROMPT APPEARS. PRESS <ENTER>.


Uninitialized Passwords
The passwords have not been initialized.
No other function may be performed in the secure area until it is set.
OK

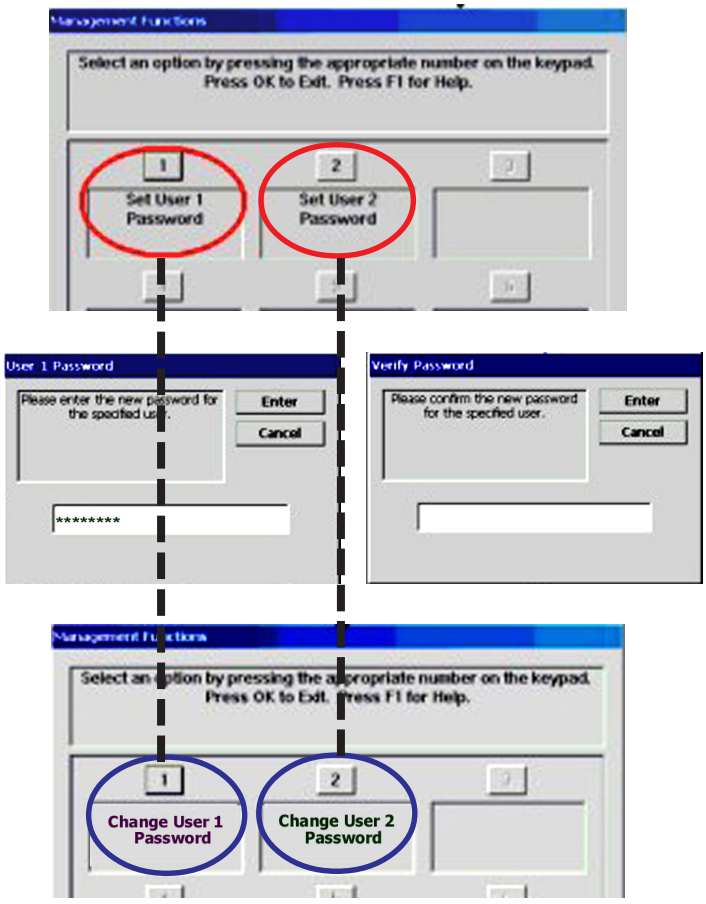
③ SELECT "SET PASSWORD" OPTION.

④ *NOTE: PREVIOUSLY, USERS HAD TO ENTER THE INITIAL PASSWORD OF SIX (6) "ZEROS" BEFORE BEING ALLOWED TO SET THE PASSWORDS. THIS IS NO LONGER REQUIRED (FOR T5 PCI-EPP ONLY).*

➢ SELECT "SET USER 1 PASSWORD" OPTION. ENTER NEW PASSWORD FOR USER 1. PASSWORDS CAN BE ANYWHERE FROM '8' TO '16' DECIMAL DIGITS. PRESS <ENTER>.

➢ YOU WILL BE PROMPTED AGAIN TO CONFIRM THE NEW PASSWORD. RE-ENTER NEW PASSWORD. PRESS <ENTER>.

AFTER THE PASSWORD IS INITIALIZED, THE "SET USER 1 PASSWORD" OPTION CHANGES TO "CHANGE USER 1 PASSWORD".



➢ NEXT, SELECT "SET USER 2 PASSWORD" OPTION. FOLLOW THE SAME PROCEDURE FOR ENTERING A NEW PASSWORD FOR USER 2.

WHEN COMPLETED, THE "SET USER 2 PASSWORD" OPTION WILL CHANGE TO "CHANGE USER 2 PASSWORD".

AFTER COMPLETION, HIT <CANCEL> TO ENTER MASTER KEYS SCREEN (STEP 5).

⑤ SELECT "ENTER MASTER KEYS" OPTION.

IMPORTANT: THE REST OF THE PROCEDURES MUST BE COMPLETED WITHIN A 10 MINUTE PERIOD. IF THE PROCESS TAKES LONGER THAN THAT, THE KEY PARTS WILL NOT BE ABLE TO BE COMBINED!

⑥ ENTER USER 1 PASSWORD. PRESS <ENTER>.
ENTER USER 2 PASSWORD. PRESS <ENTER>.

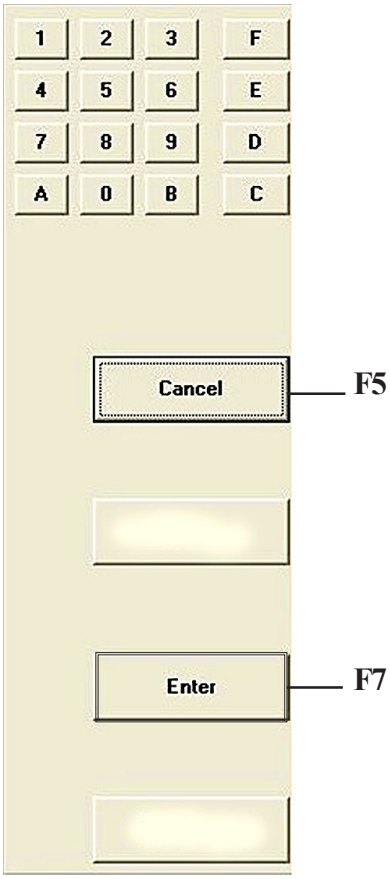
⑦ SELECT "ENTER PIN MASTER KEY" OPTION.

Main Menu/Key Management/Key Entry
Select an option by pressing the appropriate number on the keypad.
Press OK to Exit. Press F1 for Help.
1
Enter MAC Master Key
2
Enter PIN Master Key

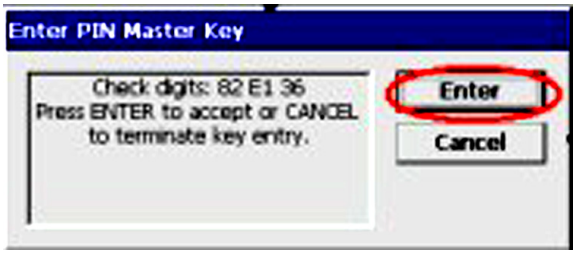
⑧ USER 1 ENTERS THE FIRST KEY PART (32 CHARACTERS). REFERENCE THE KEY LAYOUT DISPLAY BELOW. THE MAIN KEYPAD WILL MIRROR THE NUMBER/ALPHANUMERIC KEYS.

AFTER ENTERING THE KEYS, PRESS THE <ENTER> OPTION ON THE RIGHT-SIDE FUNCTION KEY <F7>.

Enter PIN Master Key - User 1
Enter 32 characters for the key.
See key layout on the right for hex character entry.
Enter
Cancel



⑨ THE "CHECK DIGITS" PROMPT APPEARS. PRESS <ENTER>.



A PROMPT APPEARS TO ENTER THE SECOND KEY PART. PRESS <ENTER>.

⑩ USER 2 ENTERS THE SECOND KEY PART (32 CHARACTERS). REFER TO STEP 8 FOR ENTERING KEYS.

Enter PIN Master Key - User 2
Enter 32 characters for the key.
See key layout on the right for hex
character entry.
Enter
Cancel

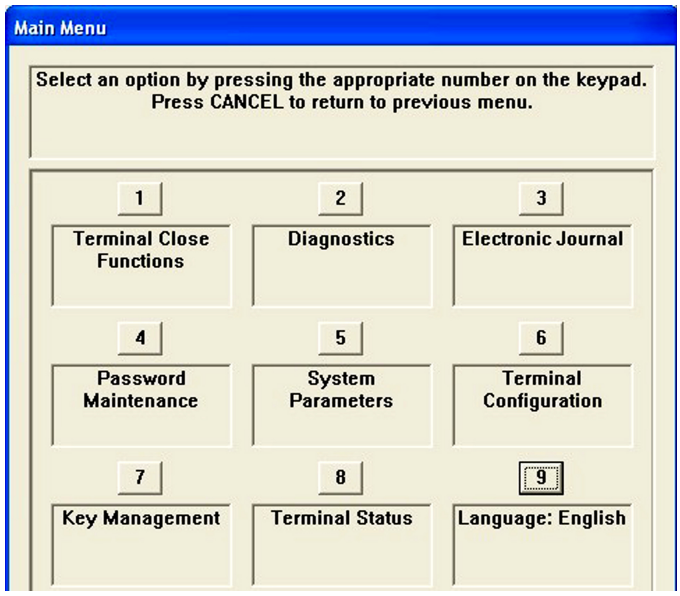
⑪ THE "CHECK DIGITS" PROMPT APPEARS.

YOU WILL BE PROMPTED THAT THE KEY WAS SUCCESSFULLY CHANGED.

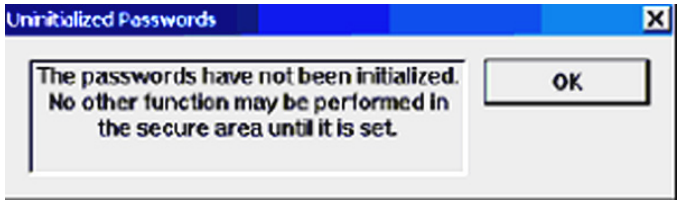
REPEAT SEQUENCE FOR ENTERING MAC MASTER KEY , IF REQUIRED.

KEY MANAGEMENT PROCEDURES (W/T7 PCI-EPP INSTALLED)

① ENTER MANAGEMENT FUNCTIONS > MAIN MENU > KEY MANAGEMENT.



② THE "SET PASSWORD INITIALIZATION" PROMPT APPEARS. PRESS <ENTER>.


Uninitialized Passwords
The passwords have not been initialized.
No other function may be performed in the secure area until it is set.
OK

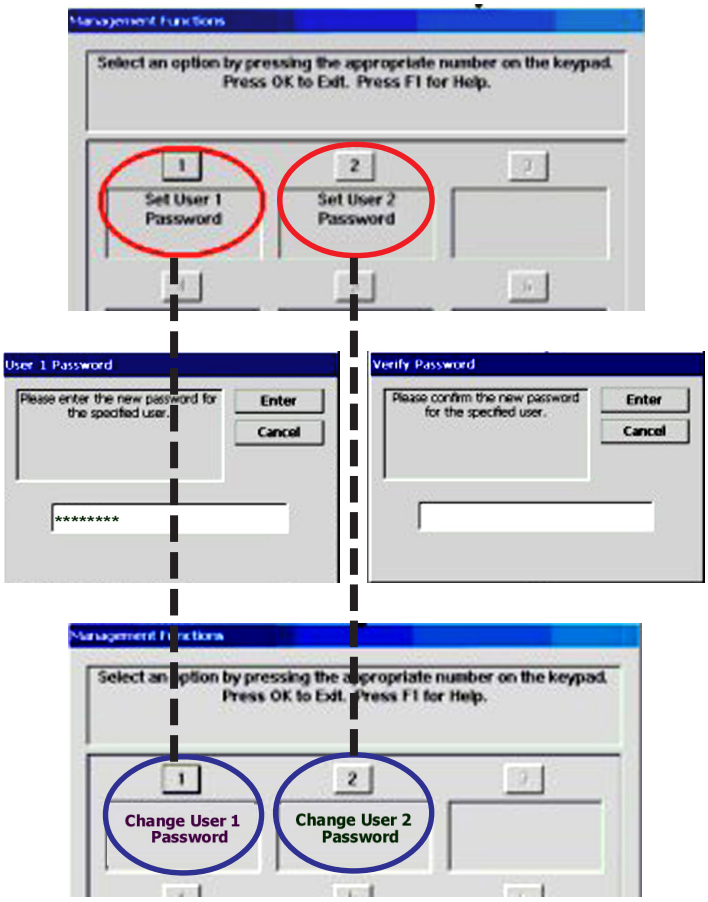
③ SELECT "SET PASSWORD" OPTION.

④ *THE T7 USER PASSWORDS ARE INITIALLY SET TO SIX (6) "ZEROS (SIMILAR TO VEPP) BEFORE BEING ALLOWED TO SET THE PASSWORDS.*

➢ SELECT "SET USER 1 PASSWORD" OPTION. ENTER NEW PASSWORD FOR USER 1. PASSWORDS CAN BE ANYWHERE FROM '6' TO '14' DECIMAL DIGITS. PRESS <ENTER>.

➢ YOU WILL BE PROMPTED AGAIN TO CONFIRM THE NEW PASSWORD. RE-ENTER NEW PASSWORD. PRESS <ENTER>.

AFTER THE PASSWORD IS INITIALIZED, THE "SET USER 1 PASSWORD" OPTION CHANGES TO "CHANGE USER 1 PASSWORD".



➢ NEXT, SELECT "SET USER 2 PASSWORD" OPTION. FOLLOW THE SAME PROCEDURE FOR ENTERING A NEW PASSWORD FOR USER 2.

WHEN COMPLETED, THE "SET USER 2 PASSWORD" OPTION WILL CHANGE TO "CHANGE USER 2 PASSWORD".

AFTER COMPLETION, HIT <CANCEL> TO ENTER MASTER KEYS SCREEN (STEP 5).

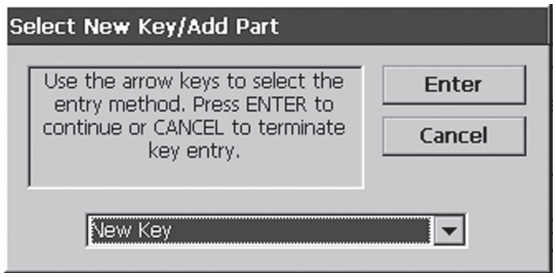
⑤ SELECT "ENTER MASTER KEYS" OPTION.

⑥ ENTER USER 1 PASSWORD. PRESS <ENTER>.
ENTER USER 2 PASSWORD. PRESS <ENTER>.

⑦ SELECT "ENTER PIN MASTER KEY" OPTION.

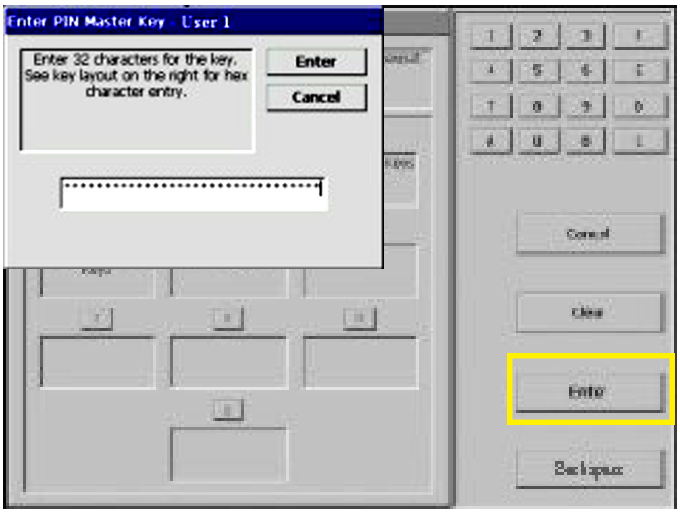
Main Menu /Key Management /Key Entry
Select an option by pressing the appropriate number on the keypad.
Press OK to Exit. Press F1 for Help.
1
Enter MAC Master Key
2
Enter PIN Master Key

⑧ USE THE <ARROW> KEY TO TOGGLE BETWEEN "NEW KEY" OR "ADD PART" (TO AN EXISTING KEY). PRESS <ENTER> FOR THE APPLICABLE ENTRY.

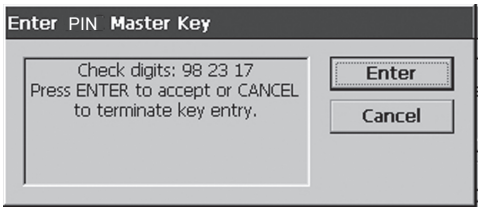

Select New Key/Add Part
Use the arrow keys to select the entry method. Press ENTER to continue or CANCEL to terminate key entry.
Enter
Cancel
New Key

⑨ USER 1 ENTERS THE FIRST KEY PART (32 CHARACTERS). REFERENCE THE KEY LAYOUT DISPLAY BELOW. THE MAIN KEYPAD WILL MIRROR THE NUMBER/ALPHANUMERIC KEYS.

AFTER ENTERING THE KEYS, PRESS THE <ENTER> OPTION ON THE RIGHT-SIDE FUNCTION KEY <F7>.


Enter PIN Master Key - User 1
Enter 32 characters for the key. See key layout on the right for hex character entry.
Enter
Cancel

⑩ THE "CHECK DIGITS" PROMPT APPEARS. PRESS <ENTER>.



A PROMPT APPEARS TO ENTER THE SECOND KEY PART. PRESS <ENTER>.

(11) USER 2 ENTERS THE SECOND KEY PART (32 CHARACTERS). REFER TO STEP 9 FOR ENTERING KEYS.

Enter PIN Master Key - User 2
Enter 32 characters for the key. See key layout on the right for hex character entry.
Enter
Cancel

THE "CHECK DIGITS" PROMPT APPEARS.

(12) YOU WILL BE PROMPTED THAT THE KEY WAS SUCCESSFULLY CHANGED.

REPEAT SEQUENCE FOR ENTERING MAC MASTER KEY , IF REQUIRED.